

| Minutes of Meeting | | | |
|--|---------------------------|-------------------------------------|--|
| Location: Sparwood Senior Citizens Drop-in Centre | Date: December 6, 2016 | Time: 9:00 a.m. – 12:30 p.m. | |
| Purpose: Second 2016 Biannual Meeting | | Version: Final | |
| Attendees: See attached | Issue da | te: Jan 10, 2017 | |

Meeting commenced at 9:10 a.m.

Introductory Remarks

The Steering Committee Chair was unable to attend the meeting so Vice-Chair, Anita Palmer, welcomed everyone. She pointed out where the restrooms were located as well the exits in case of emergency.

Shelley Wedderburn provided a safety share covering home safety tips for the holidays (see attached).

Anita introduced the Steering Committee and Executive and later gave an opportunity for guests to introduce themselves.

Teck in Review (see attached presentation) – Nic Milligan

During his presentation, Lee-Anne asked Nic what the current spot price of coal was. His response was about \$250 US/metric tonne.

Lee-Anne asked what zinc is used for. Nic responded that it is used for galvanizing such things as car bodies and parts.

When asked by Lee-Anne how many metric tonnes a coal car holds and how many cars on a train, Nic answered about 100 tonnes per car and around 172 cars per train, including engines.

Lois commented that it was nice to see things getting better for Teck.

Ryland thought it would be interesting to see a graph of coal prices over the past 20 years.

Teck Coal Mountain Closure (see attached presentation) – Norm Fraser

Norm explained to the attendees that as Coal Mountain Operations will cease mining in December 2017, a closure plan has recently been completed. The mine will be put into a Care and Maintenance phase for 5 to 10 years followed by active closure. He noted that a number of social goals are captured within the closure plan, one of which is to inform future closure planning processes in the Elk Valley and throughout Teck's operations. Working through the initial community engagements and plan development has led Teck to the point of ongoing engagement and the consideration of a Closure Task Group.

Norm discussed the proposed Closure Task Group and gave examples of a mandate, term, composition, governance and potential for recommendations. He suggested that it may be a good fit for the Task Group to operate under the umbrella of the Communities of Interest Advisory Initiative the way the Elk Valley Child Care Advisory Initiative operates and reports back. There would be certain groups such as recreational users who would be targeted for representation on the Task Force but he suggested anyone

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interested in being a part of the group should contact Sharon. Sharon said the Steering Committee will be meeting in late January to review its strategic direction and felt that would be a good opportunity to discuss the fit of the Closure Task Group. It was agreed that discussing it at the meeting would be an appropriate next step.

Lee-Anne asked if there was a contingency fund to manage long-term implications of closure in the future. Norm responded that contributions are made to a bond held by the government for potential reclamation needs if a company defaults on its obligations. Ryland noted that an Auditor General's report indicated there is less than 50% of the funds required to cover a closure scenario. Norm noted that costs are unknown at this point. Nic confirmed that Teck has met its obligations regarding security deposits.

Auditor's General Report link: https://www.bcauditor.com/pubs/2016/audit-compliance-and-enforcement-mining-sector

Feedback Mechanism – Sharon Strom

Sharon explained that there were two Level 3 Grievances received since the last Partners meeting in July. Level 3 Grievances are relatively minor but an ongoing and/or a significant issue or concern that is normally not a breach of the law or company policy. Both concerns were from Grave Lake cabin owners regarding dust suspected from Line Creek operations. The concerns were discussed at the Annual Grave Lake Cabin Owners meeting hosted by Teck on October 27. The Teck subject matter experts assured attendees at that meeting that every effort was being taken to understand and mitigate fugitive dust and the recent formation of the Teck Regional Air Monitoring Program will help to inform mine-specific dust management plans.

Interior Health Update on Surgeon Recruitment – Christina Bilski

Christina read a summary statement regarding surgeon recruitment on behalf of Interior Health:

Recruitment for a general surgeon or GP with enhanced surgical skills continues in the Elk Valley. This recruitment campaign is led by the local physician group and supported by the IHA physician recruiter in our area. There has been limited interest in the position at this time. There is a surgeon who is very interested and he is working with Health match BC, the Royal College of Physician and Surgeons and the BC College of Physicians. If he is successful in becoming licensed in BC he will then commence the immigration process. This is an issue between the applicant and the College. It is not possible for health authorities, politicians or others to intervene in this established process.

Nic asked if it is known if the interested surgeon is coming from a region where licensing easily transfers over to British Columbia or if it will be an onerous process. He also wondered if there was a projected timeline for the process to be completed. Christina said she didn't know the answers but would find out. (Note: Christina followed up and determined Interior Health had no additional information regarding the surgeon as it is an immigration issue and a College of Physician process)

Alexander Creek Streambank Restoration Project (see attached presentation) – Lee-Anne Walker

During her presentation, Lee-Anne explained that many people, including some consultants who have worked for Teck, were trained at the College of the Rockies to better understand bioengineering. The goal was to build capacity and see what suite of options was available regarding bioengineering for the stabilization of the Alexander Creek Streambank. The project involved a section of the creek near the



gun range. Teck and Sparwood & District Fish and Wildlife Association provided feedback and support throughout the project. Teck provided the boulders for the work being done. Lotec Environmental provided the prescription for the project and supervised along the way. Guy Ganci, the backhoe operator, did an excellent job working the streambank.

Lee-Anne noted that the West Fernie Wetlands project, designed to keep cyclists and walkers off of Hwy#3, is ongoing. There are plans to build a viewing platform. Some wrapping of trees for beaver control has taken place at the seasonal wetland area.

The Sparwood Beaver Wetland project has had a bit of a setback and now isn't expected to be finished until April 2017. Lee-Anne was pleased to share that Frank J Mitchell Elementary School in Sparwood is becoming a certified 'wild' school. The wetlands have been used as an outdoor classroom. Planning is taking place for a Wild School winter event.

South Rockies Grizzly Bear Project (see attached presentation) – Corinne Hoetmer

Corinne explained that she is a volunteer recruiter and coordinator for the South Rockies Grizzly Bear Project. One of the project objectives is to measure grizzly bear population change in the region backwards and forwards in time.

An important paper, Forbidden Fruit, came out from Clayton Lamb recently highlighting that an ecological trap exists for grizzlies along Hwy #3 in the Elk Valley. Most of the non-hunting mortality of grizzlies in that area occurs along the highway where human settlement and other developments are in close proximity to very good bear habitat. Corinne noted that this not a new problem and, in fact, dates back to the 1970s.

Corinne went on to describe the process of some of the research on grizzlies in the area. She explained about the setting up of bait sites and taking advantage of rub trees and using the Citizen Science approach for sample collection. The results of sampling efforts and grizzly population trends were shared before discussion on the presentation took place.

Corinne confirmed Ryland's statement that hunting isn't really the problem for grizzly bears.

Lee-Anne said the study speaks clearly to the fact that we, as a community, need to learn to live with bears. We have to figure out how we can work collectively to eliminate attractants, promote bear-proof garbage containers and perform apple captures.

Nic wondered if there was collaboration among those doing various studies around grizzly bears. Corinne answered that scientists want to share their data so there is collaboration.

Elk Valley Trans Canada Trail Update (see attached presentation) - Duane Lawrence

Duane explained that the Elk Valley Trail is a joint partnership between the District of Elkford, the District of Sparwood and the Fernie Trails Alliance and it will be designated as part of the Trans Canada Trail (TCT) network. Funding has come from Columbia Basin Trust's Elk Valley Community Directed Funds and the Trans Canada Trail Foundation. Teck donated \$1 million to the Kootenay portion of the Trail to help link the community of Trail through to Elkford. Teck has also allowed for a portion of the trail in the Elk Valley to be on their land. The Elk Valley project is about 146 km from Elko to Round Prairie. Kiosks are being established along the route.

Duane outlined the work that has been done for the project to date as well as what is planned for the spring of 2017.



Christina asked if future maintenance will require funding or if it will depend upon volunteers. Duane explained that Sparwood would be undertaking the maintenance of the trail although are looking into the possibility of a community based volunteer group that may be interested in taking on the responsibility of maintaining the trail. The recently formed volunteer-led Sparwood Trails Alliance has shown interest in taking on this responsibility. The TransCanada Trail Foundation may also provide future funding for continued development of the TCT from Round Prairie north to the BC-Alberta border.

Steering Committee Update - Sharon Strom

In Simon's absence, Sharon provided an update on some of what the Steering Committee has done over the past while:

Childcare

- EVCCAI continues to meet next meeting Monday the 12th
- Facebook pages being well used
- In home licensed childcare facility in Elkford now
- Expansion of an existing childcare operation in Sparwood is a possibility in the near future. It will include additional part-time care which was a specific need for Sparwood
- Application made to BC Rural Dividend Funds to hire someone to compile central resources including a simplified outline of how to hire a nanny

Youth and Local Employment

 Determined at last Steering Committee that it would be helpful to have some bullet points around what recruiters may look for when hiring at Teck and make them accessible to the general public.

Post-Secondary Education

Nothing to report in Simon's absence

Additional

- Reconnected with the area high schools for representation at Partners meetings
- Web host for www.evcnpvoice.com up for renewal in a couple of months, continue to populate it with agendas, minutes, blogs and hope to house childcare resource info there.

Closing Remarks

Anita asked everyone, as is tradition at these meetings, to share a comment regarding the meeting and its presentations or on any other topic of interest to them:

- <u>Norm</u> accomplished his objective of proposing the Closure Task Force Group. It was good to participate in a well-functioning initiative.
- <u>Scott B.</u> said it was good to come and see the great presentations which show communities working together.
- <u>Terry M.</u> found the grizzly bear presentation to be very interesting. Another similarly interesting one was the Westslope Cutthroat Trout Study presented a while ago.
- <u>Duane</u> thanked the committee for having him. He found the presentations to be very informative and learned from the grizzly study and the Teck update.

- Lois said she enjoyed the energy, enthusiasm and knowledge that were shared.
- <u>Andrew</u> found the grizzly bear study to be of interest and he pondered how the information from the study can be applied and action taken to lower the number of grizzly fatalities.
- <u>Denise</u> really enjoyed the meeting.
- Ryland took the opportunity to say that he was hoping to form an Elk Valley Land Trust to protect land access for trails, hunting and fishing, for example. If anyone is interested in participating, they can email him at: ryland@wildsight.ca
- <u>Amy</u> said we sometimes forget why we live here for the lifestyle. There is great work being done around sustainability.
- Malia learned a lot and will be proud to take the information back to the school.
- Scott R. –
- <u>Christina</u> noted that this was the first time she attended a Partner's meeting. She enjoyed seeing how the communities are working together to get things done.
- Shelley was amazed at how much she didn't know about the topics shared at this meeting.
- <u>Sally</u> found it interesting to see how different communities working together function. She
 would like to take these examples to the high school students and encourage them to push
 beyond what is comfortable for them.
- Nelson thanked the speakers.
- Gordon thanked everyone for attending and speaking. He noted that he will be attending a
 Teck meeting the following day to review access to Teck property which will include Coal
 Mountain Operations.
- Murray said he enjoyed the presentations and thanked everyone.
- <u>Terry A.</u> recognized that people sometimes forget the many people who do things with very little recognition and he thanked those present for all that they do.
- <u>Nic</u> said it was good to see different perspectives at these meetings and they are not just about Teck pushing out information. There is information and idea sharing and opportunities for collaboration. Nic later added that he recently reached out to the Ktunaxa Nation Council (KNC) to regain their representation on the Steering Committee and at the Partners meetings. He explained that while Teck was in negotiations with them over the Impact Management Benefit Agreement, now signed, the KNC felt is best to step back from the Initiative.
- <u>Lee-Anne</u> felt that the fact that the Advisory Initiative has been functioning for almost 5 years means that participants and Teck are committed to being interested and engaged with the communities and showing that we can live with each other. It is great that Teck is looking at the short and medium term but also the long term so far down the line as mine closures.
- <u>Corinne</u> was sorry she missed some of the first presentation but enjoyed the Elk River Alliance
 and Elk Valley Trans Canada Trails presentations and she hopes to get involved in some of the
 projects. She noted that she was invited by a teacher at Rocky Mountain Elementary School to
 speak about grizzly bear conservation. She feels that getting youth involved in conservation is
 the future for conservation.
- Anita thanked all of the presenters and noted that the passion they had about their subjects
 could be felt. She thinks that it is amazing what people can do and accomplish when they work
 together. Anita added that the College of the Rockies in Fernie has received funding for an

initiative targeted at older workers. The next session will start in February and is aimed at unemployed people aged 55-64. They will be taught soft skills that should help them return to work. Students will receive monetary support while taking the program. Anita asked that the attendees pass the information along to anyone they feel could benefit from the program.

• <u>Sharon</u> – thanked the presenters and everyone for attending and added that she enjoyed the presentations and the dialogues that took place.

Meeting ended at 11:55 a.m. and was followed by lunch and networking

Next Meeting of the Partners will June 2017 Next Steering Committee meeting will be March 2017

December 6, 2016 Advisory Partners Meeting Attendance

| Name | Representing | Email |
|---------------------|------------------------------|------------------------------------|
| Anonson, Terry | Aboriginals/Metis/Elkford | terryanonson@elkvalley.net |
| Beeching, Scott | District of Elkford | sbeeching@elkford.ca |
| Bertrand, Denise | District of Elkford | dbertrand@elkford.ca |
| Bevand, Sally | The Fernie Academy Staff | sbevand@thefernieacademy.ca |
| Bilski, Christina | Interior Health | christina.bilski@interiorhealth.ca |
| Craig, Andrew | Youth/Fernie | tfaandrewc@gmail.com |
| Fraser, Norm | Teck Communities | norman.fraser@teck.com |
| Galloway, Gordon | Motorized Recreation | gmoose@telus.net |
| Haight, Murray | Elkford ATV Club | elkman2@shaw.ca |
| Halko, Lois | Municipal Government | <u>lhalko@sparwood.ca</u> |
| Hoetmer, Corinne | South Rockies Griz Bear Proj | corinne.hoetmer@gmail.com |
| Lawrence, Duane | DOS Recreation | dlawrence@sparwood.ca |
| Mac Con, Amy | Teck Human Resources | amy.maccon@teck.ca |
| Melcer, Terry | District of Sparwood | tmelcer@sparwood.ca |
| Milligan, Nic | Teck Community Affairs | nic.milligan@teck.com |
| Nelson, Ryland | Wildsight | ryland@wildsight.ca |
| Palmer, Anita | Education | apalmer@cotr.bc.ca |
| Robinson, Scott | RDEK EVSC/Fernie | skrpc@shaw.ca |
| Samycia, Malia | Youth | tfamalia1@gmail.com |
| Strom, Sharon | Teck Community Affairs | sharon.strom@teck.com |
| Walker, Lee-Anne | ENGO/Elk River Alliance | lee-anne@elkriveralliance.ca |
| Wedderburn, Shelley | Michel Creek Rd Residents | shelley1226001@msn.com |
| Wight, Nelson | District of Sparwood | nwight@sparwood.ca |

Unable to attend:

| Name | Representing | Email |
|------------|-----------------|----------------|
| Bauer, Kim | Social Programs | ewtf@telus.net |



| Drain, Joanne | Seniors | jvdrain@shaw.ca |
|------------------|------------------|-----------------------------------|
| Howse, Simon | Business/Housing | showse@parastone.ca |
| Talarico, Janice | Interior Health | janice.talarico@interiorhealth.ca |
| Wall, Kerri | Interior Health | kerri.wall@interiorhealth.ca |



Teck Presentation

Slides 1 & 2



Forward Looking Information Teck

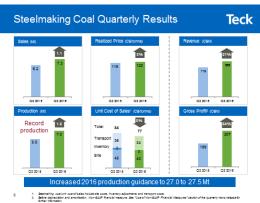
Slides 3 & 4





Slides 5 & 6







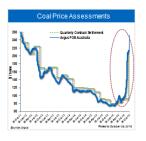
Slides 7 & 8

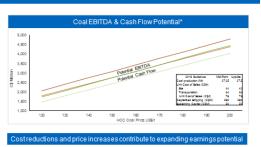
Strong Recovery in Steelmaking Coal **Teck**

Expanding Coal Earnings Potential Teck

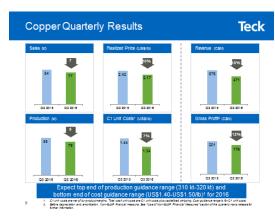
- Market tightness due to:
 Global curtailments
 Operating day restrictions
 - in China

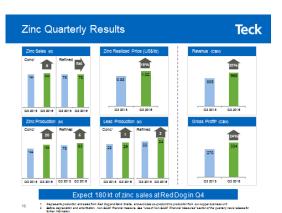
 Weather & transportation issues
 - Production interruptions Increased global demand
- Industry response is constrained



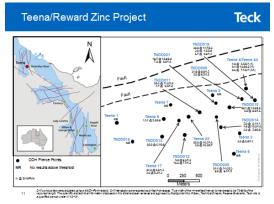


Slides 9 & 10





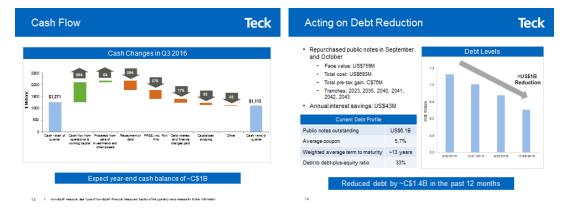
Slides 11 & 12







Slides 13 & 14



Slides 15 & 16





Slide 17

Thank you! Teck

Questions?

Nic Milligan

Manager, Community & Aboriginal Affairs

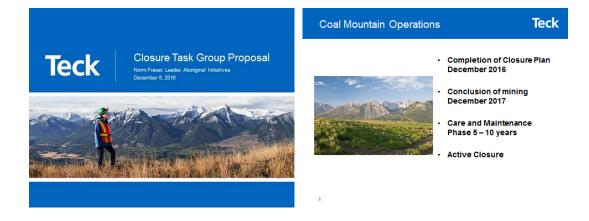
Nic.milligan@teck.com

250.425.3335

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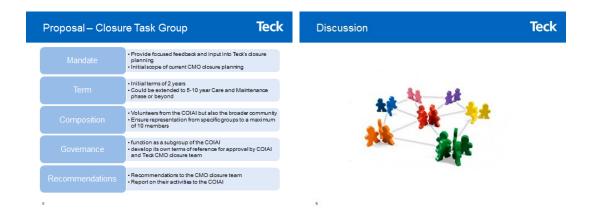
Slides 1 & 2



Slides 3 & 4



Slides 5 & 6





Slides 1 & 2

Bioengineering for Streambank Stabilization- A Community/Industry Partnership

Presentation for Teck Community of Interest – Fall Partners Meeting

Sparwood Seniors Centre

December 6, 2016

Lee-Anne Walker, Executive Director
Elk River Alliance www.elkriveralliance.ca



Slides 3 & 4

Bioengineering Course May 5 & 6, 2016



Bioengineering for streambank stabilization

- Live vegetation for soil erosion control
 - · Habitat enhancement
- Often combined with conventional engineering structures
- Native shrub and tree species
 - · Grow roots and shoots from live cuttings
 - Dormancy period

Slides 5 & 6

Benefits

- Esthetics and habitat value
- Roots remove excess soil moisture
- Stronger with time
- > Species adapted to environment
- Less heavy equipment
- Cost effective
- Donce established, little maintenance

Limitations

- Surface slope stabilization
- Periodic monitoring
- ▶ Maintenance pre-establishment
- > Seasonal installation
- Vegetation vulnerabilities
- Drought
- Soil deficiencies
- Sunlight
- · Grazing, trampling

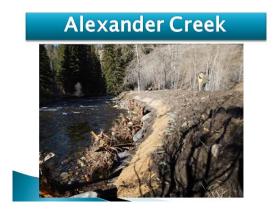


Slides 7 & 8



Slides 9 & 10





Slides 11 & 12







Slides 13 & 14



Slides 15 & 16

Thank you to our partners:

INDUSTRY

- Teck
- Canfor
- Lotic Environmental Ltd.
- Terra Erosion Control Ltd.

GOVERNMENT

- BC Hydro (Fish and Wildlife Compensation Program)
 • Fisheries and Oceans Canada (DFO)

COMMUNITY

· Sparwood Fish and Wildlife Association



Slides 1 & 2

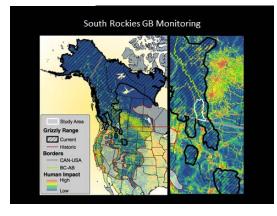


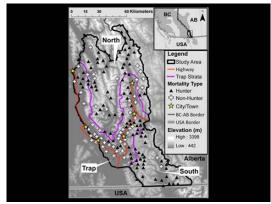
Project Objectives

- Measure grizzly population change backwards and forwards in time.
- Relate population change to hunter kill to ensure sustainability.
- Relate population change to non-hunter kill to measure the impact on population health.
- Relate population growth to food resources such as berries, ungulates or other vegetation resources.

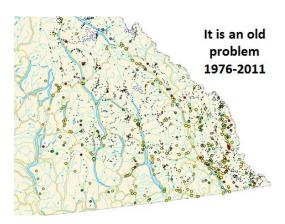


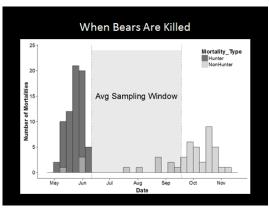
Slides 3 & 4



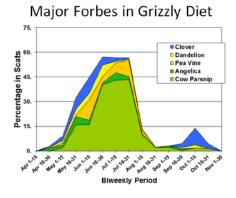


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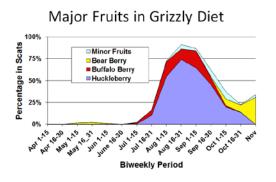
Slides 7 & 8







Slides 9 & 10





Slides 11 & 12



Methods

Slides 13 & 14







Slides 15 & 16



Slides 17 & 18



Slides 19 & 20





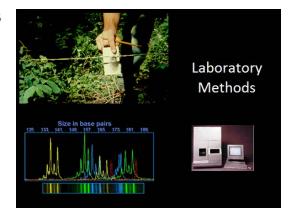
Slides 21 & 22

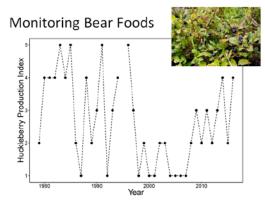


Slides 23 & 24



Slides 25 & 26





Identification Tricks:

disturbed/bare

 Bark may look discoloured/smooth
 Tree will always be on "friendly" terrain

 Ground surrounding the base of the tree is often



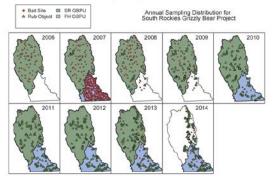
Slides 27 & 28



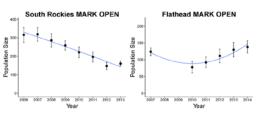


Slides 29 & 30

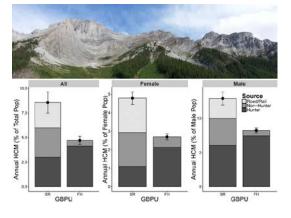
Sampling Effort

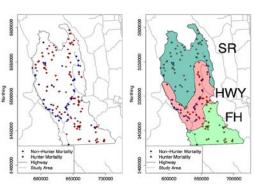


Population Trend



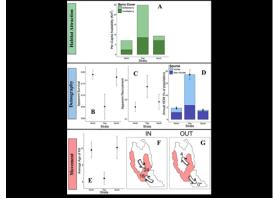
Slides 31 & 32







Slides 33 & 34





Slides 1 & 2





Slides 3 & 4





Slides 5 & 6

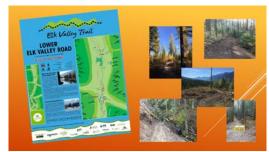






Slides 7 & 8





Safety Message

Home Safety Tips for the Holidays (Canadian Safety Council)

- Smoke/carbon monoxide detectors.
 Make sure you have them and they are working.
- Light Safety: Purchase extension cords for the specific job. Do not use an indoor cord outdoors as they are not rated for the outdoor elements. However it is safe to use outdoor lights and cords indoors. Do not connect different light strings together. Never plug and LED string into an incandescent string. Always inspect your lights and cords for defects.
- 3. Staying warm: Space Heaters Always plug directly into the outlet. Never plug into a power bar or another extension cord. Give the heaters lots of room at least three feet of room on all sides. Consider replacing your older space heater with new models that will automatically shut off if tipped over or overheats.
- 4. Cooking Safe: Never leave grilling, frying or broiling unattended. Keep cooking surfaces and counters clutter free. Order in if intoxicated.

Please have a Happy Safe Holiday Season

Shelley